

CHESTER COUNTY SOLID WASTE AUTHORITY

Combined Work Session & Regular Meeting — Lanchester

December 20, 2012

1. **Call to Order:** Bob Schoenberger, Chairman, called the December 30, 2012 Combined *Work Session & Regular Meeting* of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Ramsey G. DiLibero
William H. Shirk
Peter Knipe

Authority Members Absent

Peter Marroletti
Carmen Battavio
Vince Carosella

Management and Staff Present

Robert A. Watts
James M. Gorney
Gary Laird
Owen R. Esterly
Terry Devine
Nancy Fromnick

Solicitor

Vincent M. Pompo, Esquire

2. **Chairman's Announcements/Public Comments:**

The Chairman had no announcements. Joel Martin who is Caernarvon Township's newly appointed to the CCSWA Board (who is waiting for Chester County Commissioner's appointment) was in the audience. Bob Struble and Fred Smith gave a PowerPoint presentation and discussion on the work they have been doing in the Honey Brook area to improve stream quality. CCSWA has been a major contributor to their Red Streams Blue program.

3. **Meeting Minutes:** Mr. DiLibero moved and Mr. Shirk seconded that the minutes of the November 15, 2012 *Combined Work Session & Regular Meeting* be approved. The vote was unanimous.

4. **Executive Director's Report.** (RAW)

A. Monthly Activity Report: Mr. Watts said he wanted to show the Board some slides from the Dart ribbon cutting ceremony. He also included a few slides from the youth deer hunt that was held at Lanchester. Dawn Nichols worked with USDA Wildlife Services to have a hunt inside the fence for handicap youth. We did not get the word out soon enough, but they were able to find a 14 year old boy and girl that were interested in hunting. The USDA had previously set up trail cameras to verify over population of deer at Lanchester. In about two hours both youngsters each shot an eight point buck. We planning to get the word out earlier for next season and hope to have handicapped children and/or disabled veterans participate. Mr. Watts said in his monthly report he wanted to highlight a few items. As part of the Area E landfill expansion project we needed to install a holding tank for the bathroom at the scalehouse while new piping is installed. We have installed the tank and have completed the appropriate paper work with Caernarvon Township. We will evaluate if it makes sense to not complete the new piping and continue to utilize the holding tank until we install the sewer line. We are also considering installing a holding tank at the maintenance building for the same reason. Mr. Watts said there was a recent inquiry from his counterpart in Lebanon County due to 4.27 tons of Lebanon County waste showing up on our first quarter PADEP tonnage report. Mr. Watts told Lebanon County that it was likely a keying error but he did supply the hauler's contact information, but they were satisfied. Mr. Watts said there was some confusion by West Chester Borough on the 2013 price increase, but he resolved it. Mr. Watts said he and Mr. Schoenberger met with Caernarvon Township's CCSWA Board appointee – Joel Martin to get to know him and answer questions he might have about being a CCSWA Board Member. Mr. Watts said Mr. Schoenberger and some of the Senior Staff attended a recent webinar put on by Environmental Research and Education Foundation on – Performance Based Evaluation of Post-Closure Care at MSW landfills. This was a very good webinar and outlined a direction the industry is moving in determining when to end post-closure care. Mr. Watts said he, Ms. Devine, Mr. Laird and Mr. Esterly were on a recent conference call with Golder Engineering (our consultant on groundwater issues) to address increasing trends of some parameters in some groundwater wells on site. We are gathering more information for Golder, but it appears that the trends are a result of applying salt to the roads in winter, utilizing composted sludge to enhance topsoil and possibly landfill gas migration. Mr. Watts said all but one of the properties is rented out and only one Area D property on the market for sale. There are currently three properties on the market in the area that is covered by the Area E Property Value Guarantee Program. One of these properties has apparently sold. Mr. Watts said we have sold at auction \$424.50 worth of old computer and phone parts.

B. Senior Staff Memos: Mr. Watts said the Board members could read the Senior Staff Meeting Minutes contained in Section 4B at their leisure.

C. Solid Waste News: Mr. Watts said the first article in this section was concerning the state of Massachusetts considering altering its MSW incinerator moratorium to encourage the use of alternative technologies including gasification and pyrolysis. There was also an article on the December Caernarvon Township Board of Supervisors meeting

were Doug Maitland announced that he would be moving and the Supervisors appointed their Roadmaster Terry Martin to complete Doug's term. Ottawa has signed a 20 year agreement with Plasco Energy Group to take the pilot plasma arc technology to full scale. PADEP announced a hearing on Perdue Grain & Oil Seed Facility for its proposed location next to the waste to energy plant for Lancaster County.

D. Diversified Energy Partners Letter of Intent: Mr. Shirk moved and Mr. DiLibero seconded authorizing the Chairman and Secretary to sign the letter as edited by CCSWA's Solicitor. The vote was unanimous.

E. Chester County Waste Destinations 3rd Quarter: Mr. Watts said in this section were the PADEP reports for 2011 and 2012. Mr. Watts said Chester County generated about one thousand less tons of waste in 2012 compared to 2011. Mr. Watts said biggest difference between the years was there was a 6,000 ton of MSW decrease during this period. This was somewhat offset by 3,400 tons of ash that was disposed in 2012 as a result of PECO closing two coal plants. There was an increase of C&D during this period of almost 800 tons during this period and of the over nineteen thousand tons of C&D from Chester County in 2012 - 1,628.9 tons went to a facility new to receiving Chester County generated waste – Western Berks Landfill now owned by Advanced Disposal.

F. Fire & Ambulance Donations: Mr. DiLibero moved and Mr. Shirk seconded donating \$10,000.00 to the Honey Brook Fire Co., Honey Brook Ambulance, White Horse Fire Company and the Caernarvon Fire Department. The vote was unanimous.

5. Operations/Site Development Report.

A. Monthly Activity Report: Mr. Watts said there has been a problem with a check valve in the landfill gas line near the Granger Building. The valve is preventing water from draining from the pipe and has reduced the landfill gas flow slightly to 2,900 cfm. They are planning to remove the valve tomorrow. It was a very dry month - we only recording 1.07" of rain in November. The cost to cover waste was relatively low this month because we did receive some ash from Harrisburg and also some free soil from local construction projects. The PADEP inspection report from November 29, 2012 was also included in this section. The only concern noted was one odor complaint. Mr. Watts said we had increased the use of odor neutralizer during the month and added extra soil to some areas of the landfill and this seemed to resolve the issue.

6. Facility Engineer's Report. (ORE)

A. Monthly Activity Report: The Monthly Engineer's Report for December 2012 was presented to the Board. The following items were discussed.

- Construction work on the Area E, Stage 1B Construction Project remained in progress during the period.

- Three bids were received on December 10, 2012 for the 2012 Landfill Gas Collection System Expansion. Bids were received from: Penn E&R; Harnden Group; and Shaw Environmental. Penn E&R furnished the apparent low bid in the amount of \$ 151,409.
- Conversations with Ed Spayd, the NCCSWA Engineer, continued during this period, Mr. Spayd's review of the downstream conveyance system impacts remains in progress. The NCCSWA review is moving slower than we would like. Bob Watts will attend an NCCSWA's meeting in the near future.
- During this period a letter from the ARM Group was received in follow up to their presentation to the Board at the November Meeting. The letter appears later in today's agenda.
- During this period SCS provided the Authority with bidding phase services for the 2012 LFG Collection System Expansion Project. During the period SCS also prepared a letter to notify PADEP's Air Quality group of the proposed extraction well abandonments.
- During this period, authorization was issued for the preparation of the Annual Leachate Recirculation Report for 2012. The authorization was in the amount of \$8,750.
- On or about November 19, draft design documents for Area E, Stage 2 were received from the ARM Group. The documents were reviewed and comments were compiled by staff. A meeting with ARM was held on December 4, 2012 to review design phase progress and to issue comments to ARM. Updated drawings were requested. The updates were delivered on Monday, December 17, 2012.

B. 2011 LFG Collection System – PADEP Approval: A copy of PADEP's November 27, 2012 letter approving the 2011 Landfill Gas System Construction Certification Report was presented to the Board.

C. LFG Collection System – Bid Results: Bid Results for the 2012 Landfill Gas Collection System was presented to the Board. A copy of the December 12, 2012 legal review from Vincent M. Pompo, Esquire was attached. A copy of the December 14, 2012 engineering review letter from SCS Engineers was also attached. A contract award to Penn E&R in the amount of \$151,408.76 was recommended. A motion to accept the bid from Penn E&R was made by Peter Knipe with a second by Bill Shirk. The motion passed.

D. LFG Collection System – RPR Services: A copy of ARM's letter dated December 7, 2012 regarding Resident Project Representative (RPR) and Construction Quality Control (CQA) Services on the 2012 Landfill Gas System Project was presented to the Board. In the letter, ARM proposed to perform the additional services within the budget already authorized for the Area E, Stage 1B CQA/RPR Services. A second proposal for the same services was received from SCS in the amount of \$9,600. Acceptance of ARM's proposal was recommended. A motion to accept ARM's proposal was made by Bill Shirk with a second by Ramsey DiLibero. The motion passed. During the Board's discussion, questions were raised concerning the actual value of the

additional services and the need for appropriate cost tracking of the new task. The ARM Group will be asked to respond to the Board's questions.

E. 2013 Surveying Services Proposal: A copy of 2013 Surveying Services Proposal from Ludgate Engineering dated December 10, 2012 was presented to the Board. Three written quotations for the aerial photography services were requested during the preparation of the proposal. It was recommended that the Board accept the proposal in the amount of \$24,035. The Board discussed the proposal and requested that actual historical costs of these services be furnished in the future. A motion to accept the proposal was made by Peter Knipe with a second by Ramsey DiLibero. The motion passed. Staff will compile the actual historical of these services in response to the Board's request.

F. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated December 17, 2012 was presented to the Board for review.

G. Area E, Stage 1B – Construction Status Report: The Construction Progress Report dated November 12, 2012 concerning Area E, Stage 1B was presented to the Board. The report indicates that a favorable quantity adjustment at the new compost area in the amount of \$143,234 is anticipated. Also a pipe elevation conflict was encountered at Catch Basin S-2. Due to this unanticipated conflict, Kinsley Construction has submitted Change Order Request #1 in the amount of \$3,050.

H. Area E, Stage 2 – Construction Phase Engineering: The Board reviewed and discussed the November 26, 2012 letter from the ARM Group regarding Construction Phase Engineering Services for Area E, Stage 2. The letter indicates that the authorized contract amount will be fully depleted by March 2013. ARM anticipates that approximately 15 months of out-of-scope construction phase services will be required. The letter suggests payment for these out-of-scope services on the basis of actual time and expenses. The Board indicated that it was ok to go ahead on this basis. The staff was directed to carefully keep track of the out-of-scope costs and notify the Board before the total cost of these services reaches the \$60,000 milestone.

7. Water Management's Report. (GAL)

A. Monthly Activity Report: The following is the report for Water Management.

NOVEMBER HIGHLIGHTS:

- November 2012 landfill leachate 499,524 gallons (includes gas condensate)
Leachate by area breakdown:
 - Area C 72,132 gallons
 - Area B 142,758 gallons
 - Area D 275,886 gallons

- Granger gas condensate 8,744 gallons
- November 2011 landfill leachate 712,347 gallons
- November 2011 Rainfall 4.84”
- November 2012 Rainfall 1.06”

LEACHATE INVENTORY UPDATE: (As of December 19, 2012)

T-101 Leachate Storage Tank	- 195,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 187,500 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 110,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	- 492,500 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 27 %

LEACHATE COLLECTION SYSTEM:

Currently the Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- The recirculation system was shut down for most of the month of November 2012. This was due to a repair on the north slope on Area C. One day of recirculation 17,800 gallons into the #1 blanket. The system is currently back in full operation running 5 days per week.

Recirculation to date: 9/01/2012

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>
E	1,793,912	2,631,930
F	3,130,621	3,682,875
G	3,263,425	5,066,750
<u>H</u>	<u>1,366,965</u>	<u>5,687,500</u>
Total	14,283,692 (gal)	21,681,836 (gal)

Remaining Trench Capacity – 7,472,834 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	373,578	1,250,000
2	347,510	1,250,000
3	316,262	1,250,000
<u>4</u>	<u>269,763</u>	<u>1,250,000</u>
Total	1,158,016 (gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

The UFRO ran good during the Month of November producing 72,320 gallons of permeate during its 19 days of operation with a 19 day average of 4,821 gallons per day. Currently the membranes in the RO are being replaced.

GROUND WATER INVENTORY UPDATE: 12/19/2012

- Ground Water Storage Pond – 560,000 gallons 69 % of capacity
- The Ground Water Storage Pond Outfall 101, maintained a manageable level

- during November 2012 with a managed discharge to Outfall 001.
- Total Ground Water received for November 2012 – 72,460 gallons.

NPDES PERMIT COMPLIANCE:

NPDES PERMIT DMR PA 0082791 for Outfall 001,100, and 101 CONESTOGA RIVER dated November 27, 2009 – The NPDES DMR Outfall 001, 100 and Outfall 101 for January 2011 has reported full compliance with the 2009 NPDES Permit. All Monitored Parameters were below required discharge limits. 0 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 673,653 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 673,653 gallons was discharged to the Conestoga River (Outfall 001) during November 2012.

8. Compliance Officer’s Report. (TAD)

A. Monthly Activity Report: Ms. Devine informed the Board that the 4th quarter ground water monitoring had been completed in November however we are waiting for tritium results in the leachate samples. Ms. Devine reported that there were two radiation alarms, both of them December 19th. Both loads were residential waste. They were originated from Morgantown and Caln Township. The isotope was I-131 and both loads were landfilled.

Ms. Devine mentioned that she collected storm water samples on October 19, 2012 and that the results were submitted via the DEP’s eDMR.

Ms. Devine also reported that she had the IU sumps pumped and the leachate shipped off-site for disposal on Nov. 19th. She also conducted quarterly water level measurements in on-site wells and checked perimeter gas wells for methane on December 13 & 14th.

B. Groundwater Monitoring Services Project Contract #11-407-WQMP

Budget Amendment: Request for a budget amendment for Contract #11-401-WQMP, which is the ground water monitoring contract with ALS Environmental. The budget was increased by \$ 4,076 to a final contract amount of \$ 134,367. A motion was made by Mr. DiLibero to approve the budget amendment. The motion was seconded by Mr. Shirk.

C. Groundwater Monitoring Services Project Contract #11-407-WQMP

Optional Year Contract Authorization: A recommendation to extend the ground water monitoring contract # 11-401-WQMP by authorizing the optional third year of prices that was received in April 2011. The original term of the contract expired at the end of 2012. The optional year extends the contract through 2013. The unit costs for the sampling did not increase from 2012 to 2013. The motion to extend the contract was made by Mr. Shirk and it was seconded by Mr. DiLibero. The contract was approved at an amount of \$ 77,872.

9. Recycling Coordinator’s Report (NJF)

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and events attended during the past month. Among the items listed she mentioned a new Community

Recycling clothing and shoe collection, the new E-Waste Collection program serviced by EGreen, a visit to the Lancaster Can Crusher demonstration to divert latex paint from the HHW Program, the Regional HHW Meeting to review the RFP results, the potential new site visit at the Octorara School District, and the Christopher Columbus Project Meeting for “solving a community problem using technology” in East Marlborough (Unionville School District).

B. Correspondence: Among the items listed: The GSC HHW Record of Operations was received and a compilation will be presented at the next board session, the Recycling Coordinators Grant in the amount of \$66,642.94 was received, Owen J. Roberts approved HHW program use of their campus and the signed HHW 4 year commitment from Atglen. Parkesburg has given a verbal commitment with a signed to follow bringing participation to 100%.

Out – Of the items listed Ms. Fromnick commented that she applied for approvals for use of HHW property sites, surveyed municipalities for Christmas Tree compost site delivery dates, applied for use of the Chester County Library for the Master Composting Program, dispensed advertising for the Kindergarten Recycling Contest, submitted the Act 190 Application for Reimbursement of last two HHW events and began work on the 2012 Annual Report by sending out packets to municipal coordinators, haulers, market, computer and electronic processors, scrap dealers, automotive, and property management companies.

C. Projects. Ms. Fromnick provided a list of projects.

10. **Business Manager’s Report.** (JMG)

A. November 2012 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for November 2012, indicating that the tonnage of 27,833.56 was 0.6% under November 2011.

B. November 2012 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding decreased from 34.11 days in October 2012 to 31.59 days in November 2012.

C. November 2012 Financial Statement: Mr. Gorney presented the Financials for November 2012 stating that we had a gain of \$403,184 for the month. Retained Earnings are at \$50,871,286. The funds invested totaled \$44,335,554.79 at month end. Mr. Knipe made a motion to accept the November 2012 Financials as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

D. November 2012 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for November 2012 totaled \$779,212.60. Mr. DiLibero made a motion to accept the November 2012 Check Register as presented; Mr.

Shirk seconded the motion. The motion was carried by a unanimous vote.

E. Large Dollar Check Approvals: Mr. Gorney presented the November 2012 Large Dollar invoices totaling \$586,235.81 consisting of the attached schedule 10E. Mr. Shirk made a motion to accept the Large Dollar Invoices as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

F. Defined Contribution: The summary was presented to the Board showing the payouts over time. An annual rate of 12% was proposed. Mr. DiLibero made a motion to adopt the Resolution as presented; Mr. Mr. Knipe seconded the motion. The motion was carried by a unanimous vote.

G. Resolution To Transfer For Area E Construction: Mr. Gorney presented the resolution to transfer the funds from the Revenue Fund for the completion of the current construction contract of Area E to the Area E Construction Fund. Mr. Knipe made a motion to adopt the Resolution as presented; Mr. Shirk seconded the motion. The motion was carried by a unanimous vote.

H. Property, Equipment, Auto & Directors Insurance Renewal: Mr. Gorney presented Schedule 10H showing the insurance quote for 2013. The rates are reducing by 3.855% from 2012 levels. Mr. Knipe made a motion to adopt the insurance as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

I. Write-Off Landberg Concrete Receivable: Mr. Gorney presented a summary of the Landberg Concrete account. Mr. DiLibero made a motion to approve the write-off as presented; Mr. Knipe seconded the motion. The motion was carried by a unanimous vote.

The meeting was adjourned at 7:33.

Prepared by,
Peggy A. Cunius